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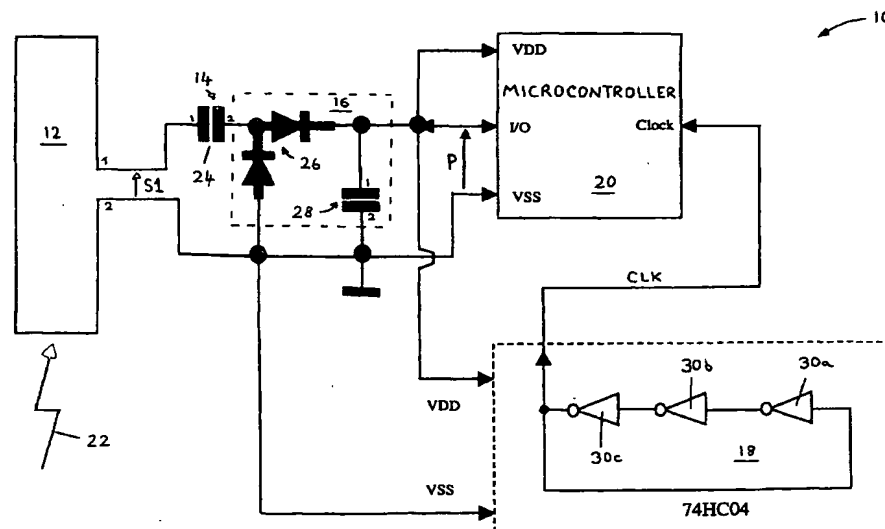
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(54) Title: VARIABLE FREQUENCY TAG



(57) Abstract: The present invention relates to a variable frequency tag (10, 600). An antenna assembly (20) for receiving interrogating radiation (70) at the tag (10, 600) and generating a corresponding received signal (S1), and for receiving a signature signal and radiating corresponding response radiation (300, 310); (b) a logic unit (60) for receiving the received signal (S1) and outputting the signature signal in response, the signature signal including a signature code for use in identifying the tag (10, 600); (c) a voltage controlled oscillator (50) for controlling a rate at which the signature code is output; and (d) a power supply (30, 40; 610, 650) for providing an electrical potential difference for energizing the tag, characterised in that the voltage controlled oscillator (50) is operable to output the signature code at a rate which is governed by the magnitude of the received signal (S1).